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Amendments to the Claims:

**Claim 1. (Pending)** A logistics management tool to facilitate the process of shipping goods by a shipper via a selected one of a plurality of carriers, comprising:

a plurality of rate servers comprising computer-implemented rate storage and calculating means, at least one rate server for each of said plurality of carriers, at least one of said rate servers having message processing means for sending, receiving and handling messages;

at least one of said rate servers having database means for maintaining a record of the rates applicable to a given one of said carriers and further having an embedded set of predefined methods representing the rate computation rules of said given one of said carriers;

at least one client application comprising computer-implemented input and output means separate from said rate servers and having user interface to permit the shipper to interact with said logistics management tool in order to process the shipment of goods;

at least one of said rate servers having a shipper interface means for defining a set of operations accessible to said client application; the set of operations representing the procedure by which the shipper ships goods to thereby isolate the set of operations by which a shipper ships from the rules by which a carrier transports;

at least one supervisory server for integrating operations of said rate server, and for making said operations accessible to said client application, said supervisory server having message processing means for sending messages to and receiving messages from said rate server and said client application and for handling messages sent and received based upon a predefined set of rules.

**Claim 2. (Pending)** The tool of claim 1 further comprising scripting system communicating with said client application for modifying at least one of said set of operations representing the procedure by which the shipper ships goods.

**Claim 3. (Pending)** The tool of claim 1 wherein said client application comprises a shipments client for rating and documenting a group of packages comprising a shipment being processed by the shipper.

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**Claim 4. (Pending)** The tool of claim 1 wherein said client application comprises a packages client for rating and documenting a single piece of shipment being processed by the shipper.

**Claim 5. (Pending)** The tool of claim 2 wherein said scripting system is a script administration client comprising one of said client applications.

**Claim 6. (Pending)** The tool of claim 1 wherein said client application comprises a carrier rate adjustments client having a user interface operable to allow the user to alter the predefined methods representing the rate computation rules.

**Claim 7. (Pending)** The tool of claim 1 further comprising document server for providing printing services to said client application.

**Claim 8. (Pending)** The tool of claim 7 wherein said printing services include printing documents generated to effect shipment.

**Claim 9. (Pending)** The tool of claim 1 wherein said rate server is installed on a first computer system and wherein said client application is installed on a second computer system, the first and second computer systems being coupled together over a network.

**Claim 10. (Pending)** The tool of claim 1 further comprising external processing manager for providing communications services to permit said client application to request and receive data from an external database not supervised by said supervisory server.

**Claim 11. (Pending)** The tool of claim 10 wherein said logistics management tool is installed under an operating system which provides command interpreter facility and wherein said external processing manager interfaces with said operating system to use said command interpreter facility to provide said communications services.

**Claim 12. (Pending)** The tool of claim 11 wherein said command interpreter facility is responsive to a predefined command set and wherein said external processing manager includes means integrated with said command interpreter facility for supplementing said predefined command set.

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Claim 13. (Pending) A logistics management tool to facilitate the process of shipping goods by a shipper via a carrier, comprising:

a rate server comprising computer-implemented rate storage and calculating means, said rate server having message processing means for sending, receiving and handling messages;

said rate server having database means for maintaining a record of the rates applicable to said carrier and further having an embedded set of predefined methods representing the rate computation rules of said carrier;

at least one client application comprising computer-implemented input and output means separate from said rate server and having user interface to permit the shipper to interact with said logistics management tool in order to process the shipment of goods;

said rate server having a shipper interface means for defining a set of operations accessible to said client application; the set of operations representing the procedure by which the shipper ships goods to thereby isolate the set of operations by which a shipper ships from the rules by which a carrier transports;

at least one supervisory server for integrating operations of said rate server, and for making said operations accessible to said client application, said supervisory server having message processing means for sending messages to and receiving messages from said rate server and said client application and for handling messages sent and received based upon a predefined set of rules.

Claim 14. (Pending) The tool of claim 13 further comprising scripting system communicating with said client application for modifying at least one of said set of operations representing the procedure by which the shipper ships goods.

Claim 15. (Pending) The tool of claim 13 wherein said client application comprises a shipments client for rating and documenting a group of packages comprising a shipment being processed by the shipper.

Claim 16. (Pending) The tool of claim 13 wherein said client application comprises a packages client for rating and documenting a single piece of shipment being processed by the shipper.

Claim 17. (Pending) The tool of claim 14 wherein said scripting system is a script administration client comprising one of said client applications.

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Claim 18. (Pending) The tool of claim 13 wherein said client application comprises a carrier rate adjustments client having a user interface operable to allow the user to alter the predefined methods representing the rate computation rules.

Claim 19. (Pending) The tool of claim 13 further comprising document server for providing printing services to said client application.

Claim 20. (Pending) The tool of claim 19 wherein said printing services include printing documents generated to effect shipment.

Claim 21. (Pending) The tool of claim 13 wherein said rate server is installed on a first computer system and wherein said client application is installed on a second computer system, the first and second computer systems being coupled together over a network.

Claim 22. (Pending) The tool of claim 13 further comprising external processing manager for providing communications services to permit said client application to request and receive data from an external database not supervised by said supervisory server.

Claim 23. (Pending) The tool of claim 22 wherein said logistics management tool is installed under an operating system which provides command interpreter facility and wherein said external processing manager interfaces with said operating system to use said command interpreter facility to provide said communications services.

Claim 24. (Pending) The tool of claim 23 wherein said command interpreter facility is responsive to a predefined command set and wherein said external processing manager includes means integrated with said command interpreter facility for supplementing said predefined command set.

Claim 25. (Pending) The tool of claim 13 wherein said rate server is installed on a first computer system and wherein said client application is installed on a second computer system, the first and second computer systems communicating over a global-wide area network.

Claim 26. (Pending) The tool of claim 13, wherein the supervisory server comprises an interprocess communication mechanism for passing messages between the rate server and the client application.

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Claim 27. (Pending) A logistics management tool to facilitate the process of shipping goods by a shipper via a carrier, comprising:

a rate server, connected to a network, having a set of rules by which a carrier transports;

a client application, connected to the network, having a set of rules by which a shipper ships; and

a supervisory server, connected to the network, through which said rate server and said client application register to establish a mutual message communication capability by which said rate server and said client application thereafter pass messages independently of said supervisory server over an interface between them, said interface isolating the set of rules by which the shipper ships from the rules by which the carrier transports.

Claim 28. (Pending) The tool of claim 27, wherein:

the client application includes a client interface for communicating with the client application; and

the rate server is configured to communicate with the client application via the client interface.

Claim 29. (Pending) The tool of claim 27, wherein the messages comprise:

at least one predefined request message issued by the client application to the rate server; and

at least one predefined response message issued by the rate server to the client application.

Claim 30. (Pending) The tool of claim 29, wherein:

the predefined request message includes a weight and a delivery date for a package to be shipped; and

the predefined response message includes a cost for shipping the package.

Claim 31. (Pending) The tool of claim 27, wherein the set of rules by which the carrier transports comprises a knowledge base of rate structures and carrier practices pertaining to the carrier.

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Claim 32. (Pending) The tool of claim 27, wherein the set of rules by which the shipper ships comprises a knowledge base of shipper's practices pertaining to the shipper.

Claim 33. (Pending) The tool of claim 32, wherein the knowledge base of the shipper's rules, regulations, and practices comprises rules for taking orders for goods from customers, packaging the goods, and shipping the goods to customers.

Claim 34. (Pending) The tool of claim 27, wherein the client application further comprises a user interface for collecting input information from a user about a desired shipping operation and for providing output information.

Claim 35. (Pending) The tool of claim 27, wherein the supervisory server engages an interprocess communication mechanism to facilitate message passage between the rate server and the client application.

Claim 36. (Pending) The tool of claim 35, wherein the interprocess communication mechanism is selected from the group consisting of shared memory, semaphores, named pipes, queues, signals, netbios, sockets, and mail slots.

Claim 37. (Pending) The tool of claim 35, further comprising an external processing manager for interfacing the logistics management tool with external data bases or other application programs.

Claim 38. (Pending) The tool of claim 35, further comprising a device manager for interfacing the logistics management tool with external peripheral devices.

Claim 39. (Pending) The tool of claim 35, wherein the client application further comprises a document server for printing of a shipping document.

Claim 40. (Pending) The tool of claim 35, further comprising a document administration object for extending communication standards for the interprocess communication mechanism.

Claim 41. (Pending) The tool of claim 27 wherein the rate server is installed on a first computer system and wherein the client application is installed on a second computer system, the first and second computer systems communicating over a global-wide area network.

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Claim 42. (Pending) A logistics management tool to facilitate the process of shipping goods by a shipper via a carrier, comprising:

a rate server having a record of the rates applicable to said carrier and further having an embedded set of predefined methods representing the rate computation rules of said carrier, said rate server being connected to a network for sending, receiving and handling messages;

at least one client application connected to said network and is separately located from said rate server on said network, said client application having a user interface to permit the shipper to interact with said logistics management tool in order to process the shipment of goods;

said rate server having a shipper interface for defining a set of operations accessible to said client application, the set of operations representing the procedure by which the shipper ships goods to thereby isolate the set of operations by which a shipper ships from the rules by which a carrier transports; and

at least one supervisory server for making said operations of said rate server accessible to said client application, said supervisory server being connected to said network for sending messages to and receiving messages from said rate server and said client application and for handling messages sent and received based upon a predefined set of rules.

Claim 43. (Pending) The tool of claim 42, wherein:

the client application includes a client interface for communicating with the client application; and

the rate server is configured to communicate with the client application via the client interface.

Claim 44. (Pending) The tool of claim 42, wherein at least one predefined request message including a weight and a delivery date for a package to be shipped is issued by the client application to the rate server; and

at least one predefined response message including a cost for shipping the package is issued by the rate server to the client application.

Claim 45. (Pending) The tool of claim 42, wherein the rate server includes a knowledge base of rate structures and carrier practices pertaining to the carrier.

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Claim 46. (Pending) The tool of claim 42, wherein the client application includes a knowledge base of the shipper's practices pertaining to the shipper.

Claim 47. (Pending) The tool of claim 46, wherein the knowledge base of the shipper's practices includes rules for taking orders for goods from customers, packaging the goods, and shipping the goods to customers.

Claim 48. (Pending) The tool of claim 42, wherein the supervisory server includes an interprocess communication mechanism for passing messages between the rate server and the client application.

Claim 49. (Pending) The tool of claim 42, wherein the supervisory server includes an interprocess communication mechanism for passing messages between the rate server and client application.

Claim 50. (Pending) The tool of claim 49, wherein the interprocess communication mechanism is selected from the group consisting of shared memory, semaphores, named pipes, queues, signals, netbios, sockets, and mail slots.

Claim 51. (Pending) The tool of claim 49 further comprising an external processing manager for interfacing the logistics management tool with external data bases or other application programs.

Claim 52. (Pending) The tool of claim 49 further comprising a device manager for interfacing the logistics management tool with external peripheral devices.

Claim 53. (Pending) The tool of claim 49, wherein the client application further includes a document server for printing a shipping document.

Claim 54. (Pending) The tool of claim 42 wherein said rate server is installed on a first computer system and wherein said client application is installed on a second computer system, the first and second computer systems communicating over a global-wide area network.



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Claim 55. (Pending) A logistics management method for facilitating the process of shipping goods by a shipper via a carrier, said shipper having a computer-implemented client application that has access to a network and which is related to shipping said goods, said client application having a set of rules by which the shipper ships, said method comprising the steps of:

providing a rate server having a set of rules by which the carrier transports in order to determine data related to shipping the goods;

providing access to said rate server on said network from the client application such that said rate server is separately located from said client application on said network; and

communicating the determined data from said rate server to said client application through an interprocess communication mechanism connected to said network and thereby isolating the set of rules by which the shipper ships from the rules by which the carrier transports.

Claim 56. (Pending) The method of claim 55 further comprising the step of:

communicating the determined data to the client application through an accessible client interface.

Claim 57. (Pending) The method of claim 55 further comprising the steps of:

issuing a request message by the client application to the rate server; and

issuing a response message by the rate server to the client application.

Claim 58. (Pending) The method of claim 57, wherein:

the predefined request message includes a weight and delivery date for a package to be shipped; and

the predefined response message includes a cost for shipping the package.

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**Claim 59. (Pending)** The method of claim 55 further comprising the step of: providing the rate server with a knowledge base of rate structures and carrier practices pertaining to the carrier.

**Claim 60. (Pending)** The method of claim 55 further comprising the step of: providing the client application with a knowledge base of the shipper's practices pertaining to the shipper.

**Claim 61. (Pending)** The method of claim 60, wherein the knowledge base of the shipper's practices includes rules for taking orders for goods from customers, packaging the goods, and shipping the goods to customers.

**Claim 62. (Pending)** The method of claim 55 further comprising the step of: collecting via a user interface input information from a user about a desired shipping operation.

**Claim 63. (Pending)** The method of claim 55 further comprising the step of: providing an interprocess communication mechanism for passing messages between the rate server and the client application.

**Claim 64. (Pending)** The method of claim 63, wherein the interprocess communication mechanism is selected from the group consisting of shared memory, semaphores, named pipes, queues, signals, netbios, sockets, and mail slots.

**Claim 65. (Pending)** The method of claim 63 further comprising the step of: providing an external processing manager for interfacing the logistics management tool with external data bases or other application programs.

**Claim 66. (Pending)** The method of claim 63 further comprising the step of: providing a device manager for interfacing the logistics management tool with external peripheral devices.

**Claim 67. (Pending)** The method of claim 63 further comprising the step of: providing the client application with a document server for printing a shipping document.

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**Claim 68. (Pending)** The method of claim 55 further comprising the steps of:

installing the rate server on a first computer system, with the client application being a second computer system; and

providing the determined data of the rate server to the client application over a global-wide area network.

**Claim 69. (Canceled)**

**Claim 70. (Canceled)**

**Claim 71. (Pending)** A logistics management tool to facilitate the process of shipping goods by a shipper via a carrier, comprising:

a rate server, connected to a network, having a set of rules by which a carrier transports;

a client application, connected to the network, having a set of rules by which a shipper ships;

a supervisory server, connected to the network, with which said rate server and said client application register to facilitate communication of messages between said rate server and said client application independently of said supervisory server; and

an interface associated with at least one of said rate server and said client application which isolates the set of rules by which the shipper ships from the set of rules by which the carrier transports.

**Claim 72. (Pending)** The tool of Claim 71, wherein:

the client application includes a client interface for communicating with the client application; and

the rate server is configured to communicate with the client application via the client interface.

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**Claim 73. (Pending)** The tool of claim 71, wherein the messages comprise:

at least one predefined request message issued by the client application to the rate server; and

at least one predefined response message issued by the rate server to the client application.

**Claim 74. (Pending)** The tool of Claim 73, wherein:

the at least one predefined request message includes a weight and a delivery date for a package to be shipped; and

the at least one predefined response message includes a cost for shipping the package.

**Claim 75. (Pending)** The tool of Claim 71, wherein the set of rules by which the carrier transports comprises a knowledge base of rate structures and carrier practices pertaining to the carrier.

**Claim 76. (Pending)** The tool of Claim 71, wherein the set of rules by which the shipper ships comprises a knowledge base of shipper's practices pertaining to the shipper.

**Claim 77. (Pending)** The tool of Claim 76, wherein the knowledge base of the shipper's practices comprises rules for taking orders for good from customers, packaging the goods, and shipping the goods to customers.

**Claim 78. (Pending)** The tool of Claim 71, wherein the client application further comprises a user interface for collecting input information from a user about a desired shipping operation and for providing output information.

**Claim 79. (Pending)** The tool of Claim 71, wherein the supervisory server engages an interprocess communication mechanism to facilitate message passage between the rate server and the client application.

**Claim 80. (Pending)** The tool of Claim 79, wherein the interprocess communication mechanism is selected from the group consisting of shared memory, semaphores, named pipes, queues, signals, netbios, sockets, and mail slots.

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Claim 81. (Pending) The tool of Claim 79, further comprising an external processing manager for interfacing the logistics management tool with external data bases or other application programs.

Claim 82. (Pending) The tool of Claim 79, further comprising a device manager for interfacing the logistics management tool with external peripheral devices.

Claim 83. (Pending) The tool of Claim 79, wherein the client application further comprises a document server for printing a shipping document.

Claim 84. (Pending) The tool of Claim 79, further comprising a document administration object for engaging communication standards for the interprocess communication mechanism.

Claim 85. (Pending) The tool of Claim 40, wherein the rate server is installed on a first computer system and wherein the client application is installed on a second computer system, the first and second computer systems communicating over a global-wide area network.

Claim 86. (Twice Amended) A delivery management tool, comprising:

at least one rate server having rate information based upon a set of rules by which a carrier delivers;

at least one client configured to collect input information from a user;

at least one supervisory server including at least one computer configured to provide registration services to facilitate communication between the rate server and the client via a client/server architecture utilizing an interprocess communication mechanism, said communication being independent of said supervisory server; and

whereby the rules by which the user operates are isolated from the set of rules by which the carrier delivers.

Claim 87. (Pending) The tool of Claim 86, wherein one or more of the computer processes are distributed across a network.

Claim 88. (Pending) The tool of Claim 86, wherein at least two of the rate server, the client and the supervisory server run on a single processor.

Claim 89. (Pending) The tool of Claim 86, wherein a first client, a first rate server, and a first supervisory server run on a single processor.

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**Claim 99. (Pending)** A logistics management tool to facilitate the delivery of goods comprising:

a network architecture for passing messages;

a supervisory server having a registrar enabling communication with said network architecture;

at least one client application having a set of shipper rules and a first data processing service including a first registration service to register said client application with said registrar for establishing a line of communication between said client application and said network architecture, a first interface service to collect input data, generate a request message based on said input data and said set of shipper rules and display a response message, and a first message handling service to communicate said request message and said response message between said client application and said network architecture; and

at least one rate server having a set of carrier rules and a second data processing service including a second registration service to register said rate server with said registrar for establishing a line of communication between said rate server and said network architecture, a second interface service to generate said response message based on said set of carrier rules and said request message, and a second message handling service to communicate said request message and said response message between said rate server and said network architecture;

wherein said first and second message handling services enable communication between said at least one client application and said at least one rate server via said network architecture and isolate said set of carrier rules from said set of shipper rules.

**Claim 100. (Pending)** The logistics management method of claim 55, further comprising the step of providing at least one supervisory server configured to provide registration services to facilitate communication between the rate server and the client.

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New Claims:

Applicants respectfully request to add the following claims to the application:

Claim 101. (New) A computer-readable storage medium containing a set of computer-executable instructions for a method for facilitating the process of shipping goods by a shipper via a carrier, said shipper having a computer-implemented client application that has access to a network and which is related to shipping said goods, said client application having a set of rules by which the shipper ships, said set of instructions comprising:

providing a rate server having a set of rules by which the carrier transports in order to determine data related to shipping the goods;

providing access to said rate server on said network from the client application such that said rate server is separately located from said client application on said network; and

communicating the determined data from said rate server to said client application through an interprocess communication mechanism connected to said network and thereby isolating the set of rules by which the shipper ships from the rules by which the carrier transports.

Claim 102. (New) A computer-controlled apparatus configured to perform a method for facilitating the process of shipping goods by a shipper via a carrier, said shipper having a computer-implemented client application that has access to a network and which is related to shipping said goods, said client application having a set of rules by which the shipper ships, said method comprising the steps of:

providing a rate server having a set of rules by which the carrier transports in order to determine data related to shipping the goods;

providing access to said rate server on said network from the client application such that said rate server is separately located from said client application on said network; and

communicating the determined data from said rate server to said client application through an interprocess communication mechanism connected to said network and thereby isolating the set of rules by which the shipper ships from the rules by which the carrier transports.

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**Claim 103. (New)** The tool of Claim 27, wherein the messages comprise:  
at least one predefined response message that includes a cost for shipping the  
package issued by the rate server to the client application.

**Claim 104. (New)** The method of Claim 55, further comprising the step of:  
issuing a response message by the rate server to the client application, wherein the  
response message includes a cost for shipping the package.